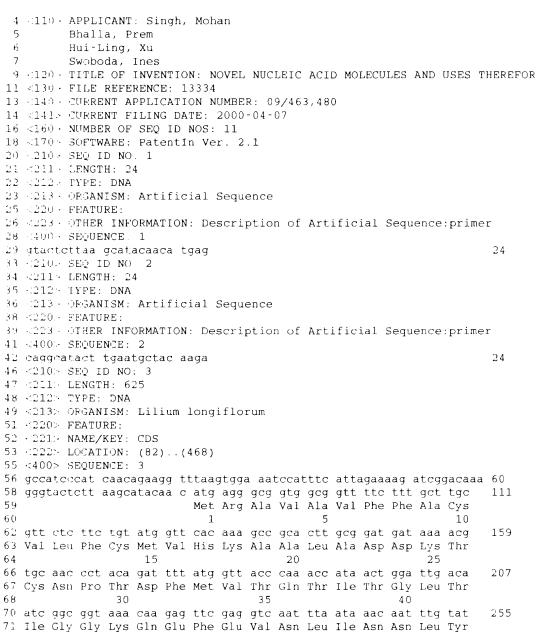
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RAW SEQUENCE LISTING DATE: 04/22/2001 PATENT APPLICATION: US/09/463,480 TIME: 14:21:24

Input Set : A:\13334.asc

Output Set: N:\CRF3\04222001\I463480.raw



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RAW SEQUENCE LISTINGPATENT APPLICATION: **US/09/463,480**DATE: 04/22/2001

TIME: 14:21:24

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74 tgt gea caa tot aat gto aaa gtt toa tgt gao ggg ott oat acc acc 75 Cys Ala Gln Ser Asn Val Lys Val Ser Cys Asp Gly Leu His Thr Thr 65 78 qua cea ata gat cet cac att atc aga cea ett agt gac gga acg aac 351 79 Glu Pro Ile Asp Pro His Ile Ile Arg Pro Leu Ser Asp Gly Thr Asn 80 399 82 aac tyc ctt ytc aac aat yga ycg cct att tet cat yct act ctt yta 83 Asn Cys Leu Val Asn Asn Gly Ala Pro Ile Ser His Ala Thr Leu Val 86 gea the aag tat gee tgg gat git eet eea tet tie age ate ate age 447 87 Ala Phe Lys Tyr Ala Trp Asp Val Pro Pro Ser Phe Ser Ile Ile Ser 115 110 120 90 tot gat ata aat tgo too taa ggagaaaatt ctagttggca gagaataato 498 91 Ser Asp Ile Asn Cys Ser 125 94 atatagtett tittaetgag etattiaatt titteaatti teaceaataa gattatitta 558 98 aaaaaaa 102 <210> SEQ ID NO 4 103 <211> LENGTH: 128 104 <212> TYPE: PRT 105 <213> ORGANISM: Lilium longiflorum 107 <400> SEQUENCE: 4 108 Met Arg Ala Val Ala Val Phe Phe Ala Cys Val Leu Phe Cys Met Val 109 1 10 - 5 110 His Lys Ala Ala Leu Ala Asp Asp Lys Thr Cys Asn Pro Thr Asp Phe 20 25 112 Met Val Thr Gln Thr Ile Thr Gly Leu Thr Ile Gly Gly Lys Gln Glu 113 35 40 45 114 Phe Glu Val Asn Leu Ile Asn Asn Leu Tyr Cys Ala Gln Ser Asn Val 55 50 60 116 Lys Val Ser Cys Asp Gly Leu His Thr Thr Glu Pro Ile Asp Pro His 70 75 118 Ile Ile Arg Pro Leu Ser Asp Gly Thr Asn Asn Cys Leu Val Asn Asn 90 85 120 Gly Ala Pro Ile Ser His Ala Thr Leu Val Ala Phe Lys Tyr Ala Trp 121 100 105 110 132 Asp Val Pro Pro Ser Phe Ser Ile Ile Ser Ser Asp Ile Asn Cys Ser 120 115 126 -210> SEQ ID NO: 5 127 - 211> LENGTH: 587 128 <212> TYPE: DNA 129 - 213 > ORGANISM: Lilium longiflorum 131 <220> FEATURE: 132 <221> NAME/KEY: CDS 133 < 222 > LOCATION: (49)..(378)135 <400> SEQUENCE: 5 136 gaaagttgaa acatotooat caaactotag agtcagattt cocacaag atg att toa 57

137

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138
140 tog goa aat aac aaa ggo goo ggo aca ago ogo ogo aag eto ogt tot
                                                                      105
141 Ser Ala Asn Asn Lys Gly Ala Gly Thr Ser Arg Arg Lys Leu Arg Ser
                            10
                                                 15
144 gag aag get gea ete eag tte tee gte agt ege gte gaa tae tee ete
                                                                      153
145 Glu Lys Ala Ala Leu Gln Phe Ser Val Ser Arg Val Glu Tyr Ser Leu
                        25
148 aag aag ggg cgc tat tgc agg cgc tta ggc gct acg gcc ccc gtc tac
                                                                      201
149 Lys Lys Gly Arg Tyr Cys Arg Arg Leu Gly Ala Thr Ala Pro Val Tyr
                    4.0
                                        4.5
152 eta gee gee gte ett gaa aac ete gtg gee gaa gtg ttg gae atg geg
                                                                      249
153 Leu Ala Ala Val Leu Glu Asn Leu Val Ala Glu Val Leu Asp Met Ala
                 55
                                    60
156 geg aac gtg aca gaa gaa aca tee eec att gtt atc aaa eeg agg cat
                                                                      297
15^7 Ala Asn Val Thr Glu Glu Thr Ser Pro Ile Val Ile Lys Pro Arg His
158 70
                                75
                                                     80
160 att atg ctt gee ccc agg aat gat gta gaa gtt gaa caa get gtt tea
                                                                      345
16% fle Met Leu Ala Pro Arg Asn Asp Val Glu Val Glu Gln Ala Val Ser
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164 egg tgt cac cat ctc ggc atc agg tgt cgt ccc taaaacacgc aaagagetgg 398
165 Arg Cys His His Leu Gly Ile Arg Cys Arg Pro
166 100
                       105
168 acceptogoaa acgoogttoo accettoago oggattagtt ottgatattt cattotatoa 458
170 atottggtta tgtgactgtg atttttegtt ttgtgttgaa etaageeece taatetggat 518
173 thetegittt atgitgaact aagtetgige actettgaag taaaaaaaaaa aaaaaaaaa 578
175 aaaaaaaaa
179 <210 > SEQ ID NO: 6
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181 -: 1212> TYPE: PRT
182 <213> ORGANISM: Lilium longiflorum
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185 Met Ile Ser Ser Ala Asn Asn Lys Gly Ala Gly Thr Ser Arg Arg Lys
186 1
                     5
                                        10
188 Leu Arg Ser Glu Lys Ala Ala Leu Gln Phe Ser Val Ser Arg Val Glu
                20
                                    25
191 Tyr Ser Leu Lys Lys Gly Arg Tyr Cys Arg Arg Leu Gly Ala Thr Ala
192
            35
                                40
                                                    45
194 Pro Val Tyr Leu Ala Ala Val Leu Glu Asn Leu Val Ala Glu Val Leu
                            55
197 Asp Met Ala Ala Asn Val Thr Glu Glu Thr Ser Pro Ile Val Ile Lys
                        70
                                            75
200 Pro Arg His Ile Met Leu Ala Pro Arg Asn Asp Val Glu Val Glu Gln
                   85
                                        90
203 Ala Val Ser Arg Cys His His Leu Gly Ile Arg Cys Arg Pro
204
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209 <210> SEQ ID NO: 7
210 <211> LENGTH: 485
211 <212> TYPE: DNA
212 <213> ORGANISM: Lilium longiflorum
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348 <400> SEQUENCE: 11

349 tgtgaaccat acagaagaga acgc

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VERIFICATION SUMMARY

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